

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-8. (Cancelled)

9. (Currently Amended) An inductor comprising:

a winding having a first loop and a second loop having oppositely directed windings and a cross-conduction area therebetween having a unidirectional current path; and

a pair of power supply lines extending ~~from~~along opposite sides of the second loop,[[,]] a first power supply line of said pair of power supply lines connected to the first loop and a second power supply line of said pair of power supply lines connected to the second loop ~~so that a current path from the first power supply line to the second power supply line through the cross-conduction area between the first loop and second loop does not generate a magnetic field sufficient to interfere with a magnetic field of either of the first loop and second loop of the winding.~~

10. (Canceled)

11. (Currently Amended) The inductor of claim 9, wherein the current path in the cross-conduction area from the first loop to the second loop comprises a plurality of current paths substantially parallel to each other.

12. (Previously Presented) The inductor of claim 9, wherein the first loop and the second loop are on a single plane.

13. (Previously Presented) The inductor of claim 9, wherein the power supply lines extend away from the cross-conduction area between the first loop and the second loop, and

the power supply lines are arranged along opposite sides of the second loop in a substantially perpendicular direction to the cross-conduction area.

14. (Withdrawn) The inductor of claim 9, further comprising cross conductors between the first and the second loop, said cross conductors being configured to carry current in the same direction.

15. (Withdrawn) The inductor of claim 9, wherein the cross conductors are substantially parallel to each other.

16. (Withdrawn) The inductor of claim 9, wherein the first loop and the second loop are configured to carry current in opposite directions.

17. (Previously Presented) The inductor of claim 9, wherein the first loop and the second loop are configured to form an “eight” shape, with the cross-conduction area therebetween.

18. (Previously Presented) The inductor of claim 9, wherein a magnetic field of the first loop and a magnetic field of the second loop have no appreciable magnetic field components outside of the respective loops.

19. (New) An inductor comprising:

a winding having a first loop and a second loop and having a cross-conduction area having a unidirectional current path, the first loop and the second loop having oppositely directed current paths, the cross-conduction area connecting the first loop and the second loop and crossing a portion of the first loop and a portion of the second loop, wherein the crossed portion of the first loop and the crossed portion of the second loop are approximately at opposite sides of the cross-conduction area; and

a pair of power supply lines extending along opposite sides of the second loop, a first power supply line of said pair of power supply lines connected to the first loop and a second power supply line of said pair of power supply lines connected to the second loop.

20. (New) The inductor of claim 19 wherein the unidirectional current path in the cross-conduction area from the first loop to the second loop comprises a plurality of current paths substantially parallel to each other.

21. (New) The inductor of claim 19 wherein the first loop and the second loop are on a single plane.

22. (New) The inductor of claim 9 wherein the power supply lines extend away from the cross-conduction area between the first loop and the second loop, and the power supply lines are arranged along opposite sides of the second loop in a substantially perpendicular direction to the cross-conduction area.

23. (New) The inductor of claim 19, wherein the first loop and the second loop are configured to form an “eight” shape, with the cross-conduction area therebetween.

24. (New) The inductor of claim 19 wherein a magnetic field of the first loop and a magnetic field of the second loop have no appreciable magnetic field components outside of the respective loops.

25. (New) An inductor comprising:

a first non-circular winding having a first current path in a first direction and a second non-circular winding having a second current path in a second direction opposite the first direction, the first winding and the second non-linear windings having respective left hand and right hand sides, each one of the first and the second non-circular windings have a respective first generally linear section extending between the respective left hand and right hand sides, the first generally linear sections are arranged generally parallel and proximal to each other;

a first power supply line connected to a left hand end of the first generally linear section of the first non-circular winding and extending along the left hand of the second winding;

a second power supply line connected to a right hand end of the first generally linear section of the second non-circular winding and extending along the right hand side of the second winding; and

a single crossover-conductor crossing a left hand side portion of the first non-circular winding and crossing right hand side portion of the second non-circular winding, the single crossover-conductor electrically connecting a left hand end of a conductor track of the first non-circular winding to a right hand conductor track of the second non-circular winding.

26. (New) The inductor of claim 25 wherein the single crossover-conductor includes a generally linear section that is generally parallel to the generally linear sections of the first and the second non-circular windings.

27. (New) The inductor of claim 26 wherein the generally linear section of the single crossover-conductor is disposed between the respective first generally parallel sections of the first and the second non-circular winding.

28. (New) The inductor of claim 25 wherein the first non-circular winding and the second first non-circular windings have a respective second generally linear section, the second generally linear sections are arranged generally parallel to the first generally linear sections.

29. (New) The inductor of claim 28 wherein the second generally linear sections are arranged on opposite sides of the single crossover-conductor.

30. (New) The inductor of claim 25 wherein the first non-circular winding and the first non-circular winding are on a single plane.